

CLAIMS

1. Cable connection (1) for connecting a cable (2) on a housing or a wall, in or behind which connection contacts are arranged, wherein the contacts are electrically connected to the cable (2) in its position of use, comprising a threaded bushing (3), which can be mounted or screwed onto or into on or in an opening of the housing or the wall, in which the connection contacts (4) are arranged, a conductor compartment (5), which, in a use position, holds conductors (2a) or wires of the cable (2) to be connected, with the conductors (2a) or the wires coming to rest against the contacts (4) after insertion of the conductor compartment (5) into the threaded bushing (3), a clamping insert (7) surrounds the cable (2) and lies axially adjacent to the conductor compartment (5) and fixes the cable in an axial direction in the threaded bushing (3), and a cap nut (6) that is screwed onto the threaded bushing (3) for simultaneous radial deformation of the clamping insert (7) and fixing of the cable (2) in a final position of use, wherein the conductor compartment (5) and the cap nut (6) can be bought separately to the threaded bushing (3) one after the other, and on or in the threaded bushing (3) at least one snap-in connection for axial fixing of the conductor compartment (5) is provided in a position, in which the conductors (2a) or wires are connected to the contacts (4).

2. Cable connection according to Claim 1, wherein one of the two axial joinable parts, namely the threaded bushing (3) or the conductor compartment (5), has a projection (10) and the other of the two axial joinable parts has a flexible, spring-like section (11), which snaps behind the projection (10), with a snap-in end surface (11d), tab, recess, back-cut section, or counterpart.

3. Cable connection according to Claim 1 or 2, wherein the projection (10) of the snap-in connection is arranged on an inside of the threaded bushing (3) and the spring-like part (11), which snaps behind the projection (10), is arranged on the conductor compartment (5).

4. Cable connection according to one of Claims 1-3, wherein near an inlet opening into the threaded bushing (3) or on an inside on an edge facing the cap nut (6) there is a rib projecting radially inwardly and that forms the projection (10), behind which the counter projection or the end side of a spring-like section (11) of the conductor compartment (5) fits in a radial direction and engages and snaps into in the position of use.

5. Cable connection according to one of Claims 1-4, wherein the spring-like section (11) of the conductor compartment (5) is separated from the conductor compartment (5) and simultaneously formed by a slot (11a) extending along a portion of an axial length of the conductor compartment (5), wherein a closed end of the slot (11a) forms a spring-elastic connecting piece (11b) of the spring-like section (11) to the conductor compartment (5).

6. Cable connection according to one of Claims 1-5, wherein the snap-in connection can be detached between the threaded bushing (3) and the conductor compartment (5).

7. Cable connection according to one of Claims 1-6, wherein on an end side (11d) of the spring-like section (11) of the conductor compartment (5), a pressure point (11c) for deforming the spring-like section (11) into a released position is arranged.

8. Cable connection according to one of Claims 1-7, wherein the pressure point (11c) on the spring-like section (11) is adapted to be engaged by a tool (20), e.g., to a screwdriver, and is formed especially as a recess, preferably as a groove-like or cross-shaped slot.

9. Cable connection according to one of Claims 1-8, wherein on the spring-like section (11), a positioning aid matching a counter section on the threaded bushing

(3) is provided for correct rotational positioning of the conductor compartment (5) relative to the threaded bushing (3).

10. Cable connection according to one of Claims 1-9, wherein the positioning aid on the spring-like section (11) has a cross-sectional shape that is different from a circular cross-sectional shape, e.g., a flattened section (12), which ends in the axial direction before the snap-in counter projection or before the end side (11d) of the spring-like section (11) and the profile of the projection (10) or the rib, with which the spring-like section (11) interacts for the snap-in connection, has a profile corresponding to a cross-sectional contour of a surface of the spring-like section (11), so that for correct rotational position of the spring-like section (11) on the projection (10) or rib, it slides perpendicular to its profile, axially and fixes a relative rotational position between the threaded bushing (3) and the conductor compartment (5).

11. Cable connection according to one of Claims 1-10, wherein a radially inner free edge (10a) of the rib (10) is formed at least in section as a straight line and/or as a secant to an inner cross section of an inner opening of the threaded bushing (3).

12. Cable connection according to one of Claims 1-11, wherein for the snapped-in position of the conductor compartment (5) into the threaded bushing (3), a relative rotation between conductor compartment (5) and threaded bushing (3) is prevented by an additional rotation securing device.

13. Cable connection according to Claim 12, wherein on a periphery of the conductor compartment (5) a recess (13a) or a projection is provided, and in an interior of the threaded bushing a projection (13b) engaging in the recess or a recess (13a) receiving the projection is provided and are in active connection with each other in the snapped-in position.

14. Cable connection according to one of the preceding claims, wherein between an outer end side of the conductor compartment (5) and a bottom of the clamping insert (7) there is a seal (8) engaging at least partially into an interior of the threaded bushing (3) or recessed completely into the interior in the position of use, which is pressed axially onto the conductor compartment (5) by tightening the cap nut (6).